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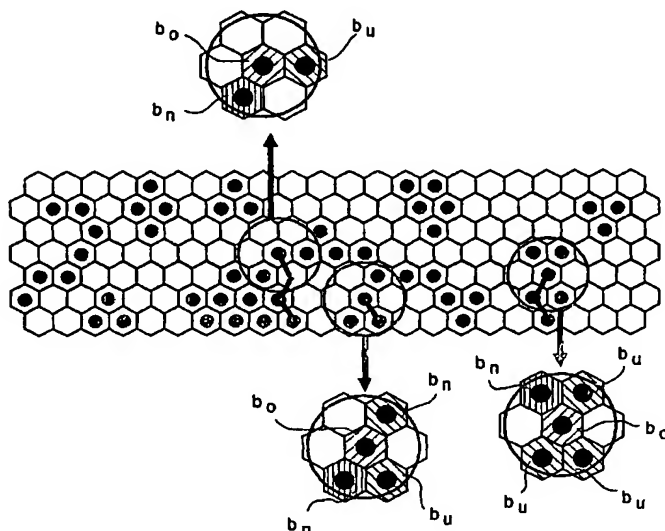
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(54) Title: **METHOD AND DEVICE FOR DETERMINING WRITE PARAMETERS FOR RECORDING INFORMATION ON AN OPTICAL RECORD CARRIER**

-  **b₀**: pit-hole (ph) currently being updated
 **b_A**: ph already updated for current window position
 **b_n**: updated for previous window position



(57) Abstract: The present invention relates to a method of determining write parameters for recording information on an optical record carrier, said information being in the form of a channel data stream to be recorded as a channel band of at least one symbol row onedimensionally evolving along a first direction, wherein the write parameters are determined by an iterative procedure. In particular for determining pit-hole sizes as the write parameters of pit-bits to be mastered on a ROM disc the proposed method comprises the steps of: setting the write parameters for recording pit-symbols of said channel data stream to preliminary parameter values, updating the preliminary parameter values by searching for the updated parameter values that best fulfil a predetermined criterion for the write parameters for recording of pit-symbols, said criterion being determined by the difference of HF-signal values, which will be determined by use of a channel model or obtained during read-out of

pit-symbols recorded by use of the updated parameter values, and reference HF-signal values, - iterating said updating until a predetermined condition is fulfilled. Thus, a pre-compensation of non-linearities of the read-channel at the side of the write-channel can be obtained without the need to use a large write-strategy matrix or table containing a large number of write parameters.

